ATTORNEY DOCKET NO. 200310365-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Meyer et al.	Confirmation No.:
Application No	u:	Examiner:
Filing Date:		Group Art Unit:
Title:	CIRCUIT BOARD ASSEMBLY	
Commissioner PO Box 1450	for Patents A 22313-1450	
Alexandria, V	INFORMATION DISCLOSURE STATEMENT	
Sir:		
This Inform	nation Disclosure Statement is submitted:	
(W	der 37 CFR 1.97(b), or ithin three months of filing national application; or date of entry of natiling date of first office action on the merits; whichever occurs last)	tional application; or before
(der 37 CFR 1.97(c) together with either a:) Statement under 37 CFR 1.97(e), or) a \$180.00 fee under 37 CFR 1.17(p), or fter the CFR 1.97 (b) time period, but before final action or notice of allow	rance, whichever occurs first)
(der 37 CFR 1.97 (d) together with a:) Statement under 37 CFR 1.97(e)(1) or (2), and) a \$180.00 fee set forth in 37 CFR 1.17(p). (Filed after final action, a notice of allowance, on or before payment of	the issue fee)
pendency of	arge to Deposit Account 08-2025 the sum of \$0.00 this application, please charge any fees required or credition of the contract of the contr	
copies, of pate believe(s) may	cant(s) submit herewith Form PTO 1449 - Information Disents, publications or other information of which applicant(s) be material to the examination of this application and for cordance with 37 CFR 1.56.) are aware, which applicant(s)
and other for individuals(s) attached sheet foreign patent report or action	se explanation of the relevance of foreign language patents eign language information listed on PTO Form 1449, as designated in 37 CFR 1.56 (c) most knowledgeable about, or where a foreign language patent is cited in a searce office in a counterpart foreign application, an English lands in which indicates the degree of relevance found by the forenclosed herewith.	s presently understood by the t the content is given on the ch report or other action by a anguage version of the search

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV 227049113 US

Date of Deposit 9/12/2003

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Parents, Alexandria, VA 22313-1459

Typed Name: Chris Escavaille

Respectfully submitted,

Meyer et al.

Todd A. Rath

Attorney/Agent for Applicant(s)

Reg. No. 38,276

Date: 9/12/2003

Telephone No.: (414) 297-5710

Rev 05/03 (IDSXML)

				 i	ATTY. DOCKET NO.	APPLICATION NO. CONFIRMAT	TION N
FC	ORM	PTO-1449			200310365-1		
		F PATENTS AND P	UBLICATIONS FOR	Ī	APPLICANT		
A	FFLIC		EMENT	ļ	Meyer et al.	Labour	
	(1	Use several sheets	if necessary)		FILING DATE	GROUP	
EFERE	NCE	DESIGNATION	U.S. PA	ATENT	DOCUMENTS		
AMINER NITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME	Pages, Columns, Lines Where Relevant Passages or Figures App	
	1A	6,590,772 B1	7/8/2003	Ju			
	1B	6,570,763 B1	5/27/2003	McH	Hugh et al.		
	1C	6,563,712 B2	5/13/2003	Akr	am et al.	`	
	1D	6,563,213 B1	5/13/2003	Woi	ng et al.		
	1E	6,542,369 B1	4/1/2003	Wu			
	1F	6,542,368 B2	4/1/2003	Miy	azawa		
	1G	6,525,938 B1	2/25/2003	Che	ın		
	1H	6,501,658 B2	12/31/2002	Pea	rson et al.		
	11	6,501,657 B1	12/31/2002	Carı	r		
	1J	6,496,374 B1	12/17/2002	Calc	dwell		
	1K	6,496,372 B1	12/17/2002	Dav	ison et al.		 ,
	11	DOCUMENT NUMBER	PUBLICATION DATE		ME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Transla attach
	1L		<u> </u>				
	1M						
	1N	ļ			- 		
	10						<u> </u>
	1P	<u> </u>	<u> </u>				<u> </u>
		OTHER REF	ERENCES (includir	ng Aut	hor, Title, Date, Pe	rtinent Pages, etc.)	
	10	2					
	1						
	1 F	 					
	"	`					
	1						
	Ţ	1					
	+-	+					
<u>-</u>	15	6					
	15	5					
	15	6			DATÉ CONSIDERE		

Sheet 2 of 7

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) REFERENCE DESIGNATION V.S. PATENT DOCUMENTS XAMINER NUMBER DOCUMENT NUMBER 2A 6,487,082 B1 11/26/2002 Crapisi et al. 2B 6,483,704 B2 11/19/2002 Ulen et al. 2C 6,459,584 B1 10/1/2002 Kuo 2D 6,456,493 B1 9/24/2002 Lee 2E 6,452,801 B1 9/17/2002 Chan 2F 6,434,007 B1 8/13/2002 Salmonson et al. 2F 6,343,016 B1 1/29/2002 Lin 2H 6,343,016 B1 1/29/2002 Lin 2J 6,330,996 B1 12/18/2001 Lee et al. 2K 6,320,748 B1 11/20/2001 Roden et al. FOREIGN PATENT DOCUMENTS Pages, Columns, Lines Where Relevant Passages or Figures Appear Publication NAME Pages, Columns, Lines Where Relevant Passages or Figures Appear Publication NAME Pages, Columns, Lines Where Relevant Passages or Figures Appear Publication NAME Pages/Columns/Lines Where Chack It Relevant Passages or Figures Appear Chack It Relevant Passages or Figures Appear Pages/Columns/Lines Where Chack It Relevant Passages or Figures Appear Chack It Relevant Passages or Figures Appear Chack It Relevant Passages or Figures Appear Chack It Relevant Pages/Columns/Lines Where Translation Pages/Columns/Lines Where Translation Chack It Relevant Pages of Tight Pages/Columns/Lines Where Translation Chack It Relevant Pages of Tight Pages/Columns/Lines Where Translation Chack It Relevant Pages of Tight Pages/Columns/Lines Where Tra						ATTY, DOCKET NO.		APPLICATION NO	CONFIDANA	CION NO
LIST OF PATENTS AND PUBLICATION STATEMENT (Use several sheets if necessary) APPLICANT Mey r et al. PILING DATE GROUP REFERENCE DESIGNATION U.S. PATENT DOCUMENTS XAMINER DOCUMENT PUBLICATION NAME Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear NITIAL APPLICANT NAME Pages. Columns, Lines Where Referent Passages or Figures Appear Pages. Columns, Lines Where Reference Pages. Pa	FC	ORM	PTO-1449			1		AFFLICATION NO.	CONFIRMA	HON NC
Mey r et al. FILING DATE GROUP							<u>-</u> -	 	L	
REFERENCE DESIGNATION	A	PPLIC								
NAMINER NUMBER PUBLICATION NAME Relevant Passages or Figures Appear		(1				FILING DATE		GROUP		
NAME	REFERE	NCE	DESIGNATION	U.S. PA	TEN	T DOCUMENTS				
28 6,483,704 B2	EXAMINER INITIAL					NAME				
2C 6,459,584 B1 10/1/2002 Kuo		2A	6,487,082 B1	11/26/2002	Cra	apisi et al.				
2D 6,456,493 B1 9/24/2002 Lee		2B	6,483,704 B2	11/19/2002	Ule	n et al.		•		
2E 6,452,801 B1 9/17/2002 Chen		2C	6,459,584 B1	10/1/2002	Ku	0				
2F 6,434,007 B1 8/13/2002 Salmonson et al. 2G 6,426,875 B1 7/30/2002 Akram et al. 2H 6,343,016 B1 1/29/2002 Lin 2I 6,330,996 B1 12/18/2001 Yo et al. 2J 6,330,908 B1 12/18/2001 Lee et al. 2K 6,320,748 B1 11/20/2001 Roden et al.		2D	6,456,493 B1	9/24/2002	Lee					
26 6,426,875 B1 7/30/2002		2E	6,452,801 B1	9/17/2002	Ch	en				
2H		2F	6,434,007 B1	8/13/2002	Sal	monson et al.				
21 6,330,996 B1 12/18/2001 Yo et al. 23 6,330,908 B1 12/18/2001 Lee et al. 24 6,320,748 B1 11/20/2001 Roden et al.		2G	6,426,875 B1	7/30/2002	Ak	ram et al.				
2J 6,330,908 B1 12/18/2001 Lee et al. 2K 6,320,748 B1 11/20/2001 Roden et al.		2H	6,343,016 B1	1/29/2002	Lin					
FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS DOCUMENT PUBLICATION NAME OF PATENTEE Pages/Columns/Lines Where Relevant Passages/Figures Appear Strached Stra		21	6,330,996 B1	12/18/2001	Yo	et al.				
FOREIGN PATENT DOCUMENTS DOCUMENT PUBLICATION NAME OF PATENTEE Pages/Columns/Lines Where Translation attached		2J	6,330,908 B1	12/18/2001	Lee	e et al.				
DOCUMENT NUMBER PUBLICATION DATE OF PATENTEE Relevant Passages/Figures Appear Translatic attached 2 L 2M 2N 20 20 2P OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) 2 Q 2		2K	6,320,748 B1	11/20/2001	Ro	den et al.				
2N 20 2P OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) 2Q 2R 2S DATE CONSIDERED		2L	L	N .	N.					Translatio attached
2N 20 2P OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) 2Q 2R 2S DATE CONSIDERED				 			+			
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) 2Q 2R 2S EXAMINER DATE CONSIDERED		2N					+			
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) 2Q 2R 2S EXAMINER DATE CONSIDERED		20		 			+			-
2R 2S EXAMINER DATE CONSIDERED		2P	1	 			+			
2R 2S EXAMINER DATE CONSIDERED		1	OTHER REF	ERENCES (includin	ıg Au	thor, Title, Date, Po	ertine	ent Pages, etc.)		1
2S EXAMINER DATE CONSIDERED		20	ם							
2S EXAMINER DATE CONSIDERED										
EXAMINER DATE CONSIDERED		2F	3					************		
EXAMINER DATE CONSIDERED										
		25	3							
Rev 05/03 (PT01449)	EXAMI	NER				DATE CONSIDER	RED			
	Rev 05/03 (P	TO144	91							

Sheet 3 of 7

					Sheet 3		
				ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION	I NC
		0.1440		200310365-1			
		0-1449	TIONS FOR	APPLICANT			
LIS	T OF F	PATENTS AND PUI	M DIOOFGGG	Mever et al.			•
AP	PLICAI	STATE	MENT	FILING DATE	GROUP		
	(Us	se several sheets if	necessary)				-
		CONATION	U.S. PA	TENT DOCUMENTS			_
FERE	ICE [DESIGNATION		T	Pages, Colum	ns, Lines Where s or Figures Appear	
AMINER IITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Relevant Passage	3 01 1132	
	зА	6,310,779 B1	10/30/2001	Wang			_
	1	6,310,771 B1	10/30/2001	Chien			
	1	6,304,453 B1	10/16/2001	Lo			_
	3D	6,304,449 B1	10/16/2001	Zhang			
	3E	6,301,115 B1	10/9/2001	Hashimoto et al.			
		6,297,444 B1	10/2/2001	Chuang et al.			_
		6,285,554 B1	9/4/2001	Westberg			
		6,280,116 B1	8/28/2001	Szu			
	31	6,278,615 B1	8/21/2001	Brezina et al.			
	3J		8/14/2001	Bollesen			
		6,239,974 B1		Tseng			
		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Column Relevant Passage	s/Figures Appear	att
	3	BL					1
	- 3	зм					
	3	3N			i i		
		3N 30					
		30 3D					
		30 3D	PECERENCES (inclu	Jding Author, Title, Date,	Pertinent Pages,	etc.)	
		30 3D	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		30 3D	REFERENCES (inclu	uding Author, Title, Date,	Pertinent Pages,	etc.)	
		30 3P OTHER	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		30 3P OTHER	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		OTHER	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		30 3P OTHER	REFERENCES (incl	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		OTHER	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		30 3P OTHER 30 3R	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		OTHER	REFERENCES (inclu	uding Author, Title, Date,	, Pertinent Pages,	etc.)	
		30 3P OTHER 30 3R	REFERENCES (inclu			etc.)	
		30 3P OTHER 30 3R	REFERENCES (inclu	uding Author, Title, Date,		etc.)	

Sheet 4 of 7

LIST	1 PTO-1449			ATTY. DOCKET NO.	APPLICATION NO. CONFIRM	A TION A
				200310365-1	ALLEICATION NO. COMPINION	ATION N
APPLI	OF PATENTS AND P			APPLICANT		
	ICANT'S INFORMATI STATE			Meyer et al.		
	(Use several sheets	if necessary)		FILING DATE	GROUP	
REFERENC	E DESIGNATION	U.S. PA	ATENT	DOCUMENTS		
EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	\prod	NAME	Pages, Columns, Lines Whe Relevant Passages or Figures Ap	
4.4	6,229,705 B1	5/8/2001	Lee	,		
4B	6,208,518 B1	3/27/2001	Lee	:		
40	6,191,944 B1	2/20/2001	Har	nmel et al.		
40	6,169,659 B1	1/2/2001	Wh	eaton		
4E	6,147,873	11/14/2000	Hua	ang		
4F	6,144,092	11/7/2000	Kap	ppes et al.		
40	6,128,200	10/3/2000	Chu	J .		
41-	6,125,038	9/26/2000	Am	aro et al.		
41	6,108,205	8/22/2000	Ber	gstedt		
4,1	6,084,781	7/4/2000	Klei	in		
4K	6,075,710	6/13/2000	Lau	ļ		
4L	·	DATE		OR APPLICANT	Relevant Passages/Figures Appear	attach
41	Л					
41	1					
40)					
4P	>					
	OTHER REF	ERENCES (includir	ng Au	thor, Title, Date, P	ertinent Pages, etc.)	
4	10	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
4	IR .				•	
	is					
4	1					
4						•
EXAMINER				DATE CONSIDER	RED	·

FO	RM I	PTO-1449		}	ATTY. DOCKET NO. 200310365-1	APPLICATION NO. CONFIRMA	TION N
LIS	т ог	F PATENTS AND PL	JBLICATIONS FOR	}	APPLICANT		
AP	PLIC	ANT'S INFORMATI STATE			Mey ret al.		
	,,			j	FILING DATE	GROUP	
		Jse several sheets i	T necessary)				
REFEREN	ICE	DESIGNATION	U.S. PA	ATENT	DOCUMENTS		
XAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME	Pages, Columns, Lines Wher Relevant Passages or Figures Ap	
	5A	6,067,231	5/23/2000	Lu			
	5B	6,055,158	4/25/2000	Pav	lovic		<u>-</u>
	5C	5,991,154	11/23/1999	Cler	nens et al.		
1	5D	5,986,887	11/16/1999	Smi	th et al.		
	5E	5,966,289	10/12/1999	Has	tings et al.		
	5F	5,940,269	8/17/1999	Ко	et al.		
		5,930,114	7/27/1999	Kuz	min et al.		
		5,928,024	7/27/1999	Min	g-Huang		
		5,896,270	4/20/1999	Tsu			
	5J	5,886,871	3/23/1999	Jeff	fries et al.		
		5,870,287	2/9/1999		riguez et al.		
		DOCUMENT	PUBLICATION		ME OF PATENTEE	Pages/Columns/Lines Where	Check Translat
		NUMBER	DATE		OR APPLICANT	Relevant Passages/Figures Appear	attache
	5L						
	5M	<u> </u>	 				
	5N						
	50						
1	5P	<u> </u>			- 	<u> </u>	
		OTHER REF	ERENCES (includin	ng Aut	hor, Title, Date, P	ertinent Pages, etc.)	
	50	1					
	}	į.					
						·	
	5P	1					
	58	3					
EXAMIN	L IER	<u> </u>			DATE CONSIDER	ED	

Rev 05/03 (PTO1449)

Sheet 6 of 7

						LARRIEGATION NO.	10005	
FC	ORM I	PTO-1449		1	ATTY. DOCKET NO. 200310365-1	APPLICATION NO.	CONFIRMAT	ION NC
LI	ST O	F PATENTS AND P	JBLICATIONS FOR	L	APPLICANT		<u> </u>	
A	PPLIC	ANT'S INFORMATI		j	Mey retal.			
	(1	Jse several sheets			FILING DATE	GROUP		
REFERE	`	DESIGNATION		ATENT	DOCUMENTS			_
XAMINEF	1	DOCUMENT NUMBER	PUBLICATION DATE	T-	NAME	Pages, Column Relevant Passages	s, Lines Where or Figures Appe	
	64	5,748,446	5/5/1998	Feig	htner et al.			
	╁┷	5,764,485	6/9/1998		aschi			_
	├	5,742,844	4/21/1998	Felc	iman	,		 ·
	6D	5,651,688	7/29/1997	Lin				
	6E	5,548,487	8/20/1996	Bral	betz et al.			
		5,379,188	1/3/1995	Win	nslow			
	+	5,311,395	5/10/1994	Mc	Gaha et al.			
	+	5,276,585	1/4/1994	Smi	ithers			
	61	5,206,792	4/27/1993	Rey	nolds			
	6J	5,050,038	9/17/1991	Mal	laurie et al.			
	6К	4,953,061	8/28/1990	Nitl	kiewicz			
	<u> </u>	DOCUMENT NUMBER	PUBLICATION DATE		AME OF PATENTEE OR APPLICANT	Pages/Columns/Lir Relevant Passages/Fig	nes Where gures Appear	Check i Translati attache
	6L							
	6N							
	6N							
	60							
	6P							
		OTHER REF	ERENCES (includi	ng Au	thor, Title, Date, F	Pertinent Pages, etc.)	
	6	٥						
	6	R						
	6	S						
					T-222			
EXAN	IINER				DATE CONSIDE	KED		

Rev 05/03 (PT01449)

Ch - - 4 7 - 4 7

					ATTY. DOCKET NO.		APPLICATION NO.	CONFIRMAT	TION N
-					200310365-1				
LIS	O Ta	F PATENTS AND PI ANT'S INFORMATI	UBLICATIONS FOR		APPLICANT				
Ar	PLIC		MENT		Meyer et al.				
	{\	Jse several sheets	if necessary)		FILING DATE		GROUP		
EFEREN	NCE	DESIGNATION	U.S. P.	TEN	T DOCUMENTS				
AMINER		DOCUMENT	PUBLICATION	<u> </u>		<u> </u>	Pages, Column	s, Lines Where	
NITIAL		NUMBER	DATE		NAME		Relevant Passages	or Figures App	ear
	├	4,942,498	7/17/1990		ussaint				
		4,709,302	11/24/1987		dan et al.				
		4,665,467	5/12/1987	+-	eraw et al.				
		4,403,102	9/6/1983		dan et al.				
		4,321,423	3/23/1982	Jol	nnson et al.				
	7F								
	7G								
	7H 71		 	+-					
	 							<u> </u>	
	7.J		 	-}					
	170	ł							
	7K		FOR	REIGN	L PATENT DOCUM	FNTS			
	7K	DOCUMENT NUMBER	FOR PUBLICATION DATE		AME OF PATENTEE OR APPLICANT	- F	Pages/Columns/Lin evant Passages/Fig		Transla
	7K]	PUBLICATION		AME OF PATENTEE	- F			Transla
		NUMBER	PUBLICATION		AME OF PATENTEE	- F			Transla
	7L	NUMBER	PUBLICATION DATE		AME OF PATENTEE	- F			Transla
	7L	NUMBER	PUBLICATION DATE		AME OF PATENTEE	- F			Transla
	7L 7M	NUMBER	PUBLICATION DATE		AME OF PATENTEE	- F			Transla
	7L 7M 7N 70	NUMBER	PUBLICATION DATE	N	AME OF PATENTEE	Rele	evant Passages/Fig	ures Appear	Check Transla attach
	7L 7M 7N 70	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 70	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Rele	evant Passages/Fig	ures Appear	Transla
EXAMI	7L 7M 7N 7O 7P	OTHER REF	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Pertine	evant Passages/Fig	ures Appear	Transla